



Appln No.: 10/038,407

Applicant(s): Abraham Pinter

HIV-1 gp120 V1/V2 DOMAIN EPITOPES CAPABLE OF
GENERATING NEUTRALIZING ANTIBODIES

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	HXB2																		Case-A2																	
S	<u>F</u>	N	I	T	T	S	I	R	D	K	V	Q	K	E	Y	<u>A</u>	L	F	Y	K	L	D	V	V	P	I	D									
55	46	42	46	54	43	45	47	31	52	32	45	50	45	47	55	40	51	47	42	52	55	33	47	54	52	44	55									
*	*	Y	V	S	N	R	G	N	R	M	K	R	Q	N	*	F	L	N	R	Y	*	I	I	S	V	E	2nd	most	common							
4	11	8	1	7	5	5	18	2	13	6	2	3	4		10	4	4	7	1		21	3	1	1	5	55										

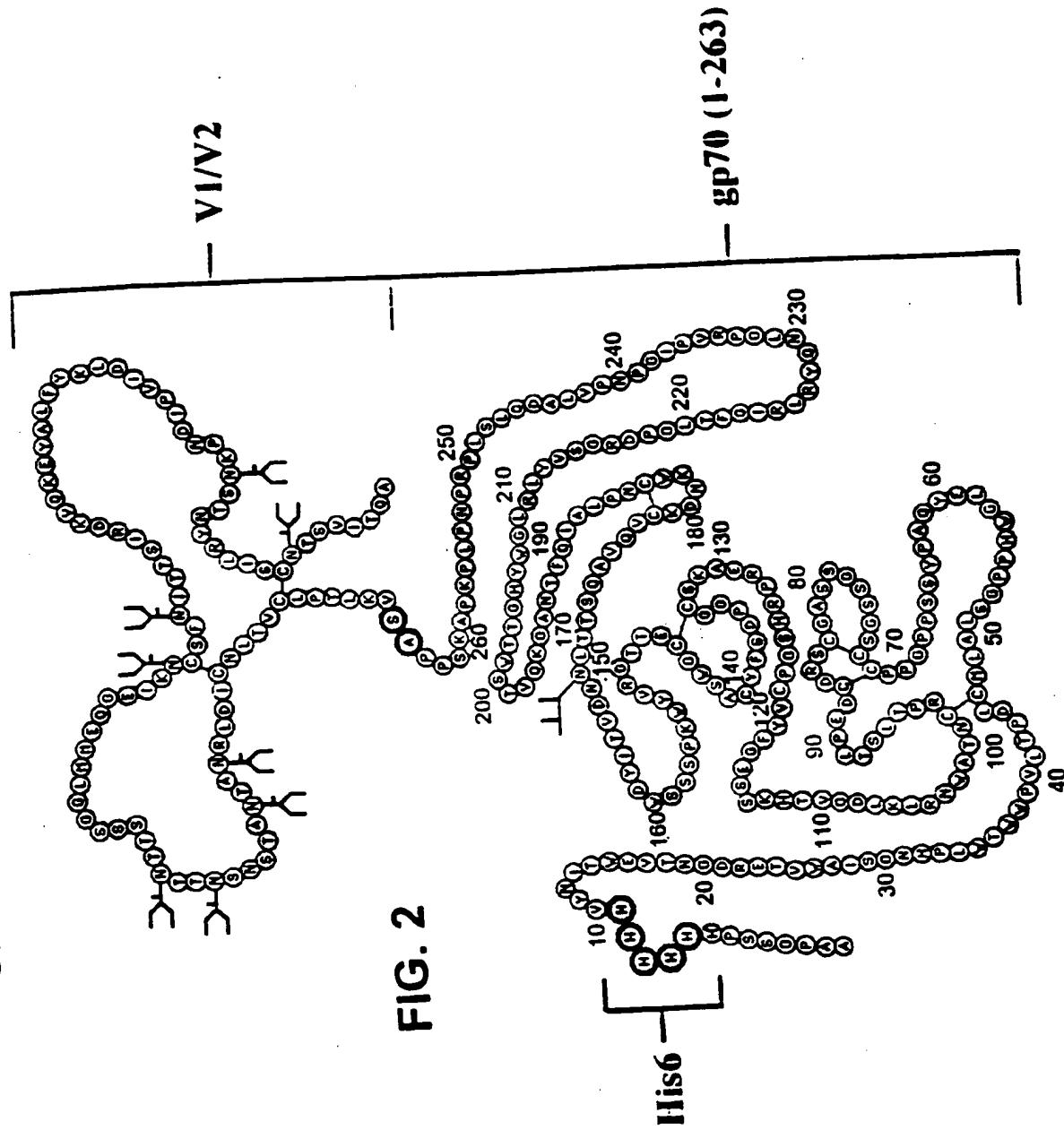
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FIG. 1



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Case-A2 V1/V2 fusion protein





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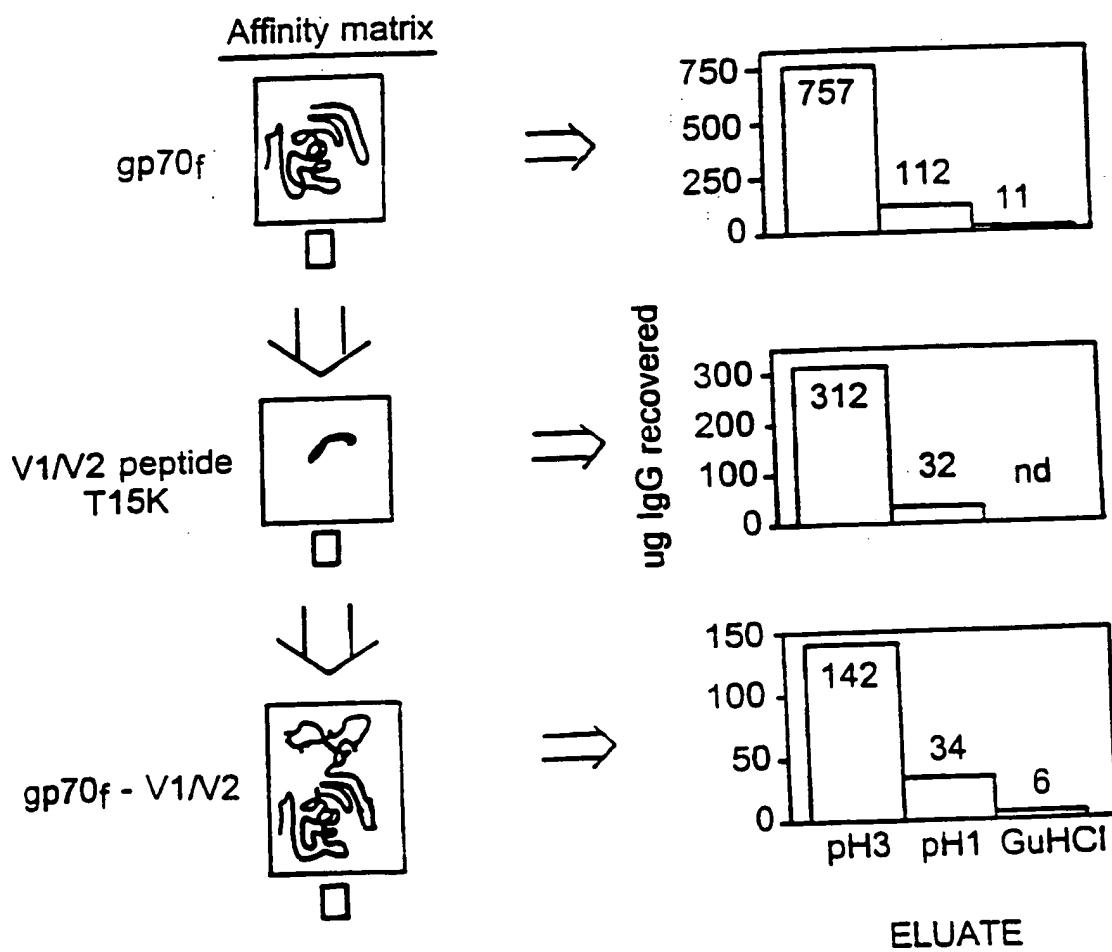


FIG. 3



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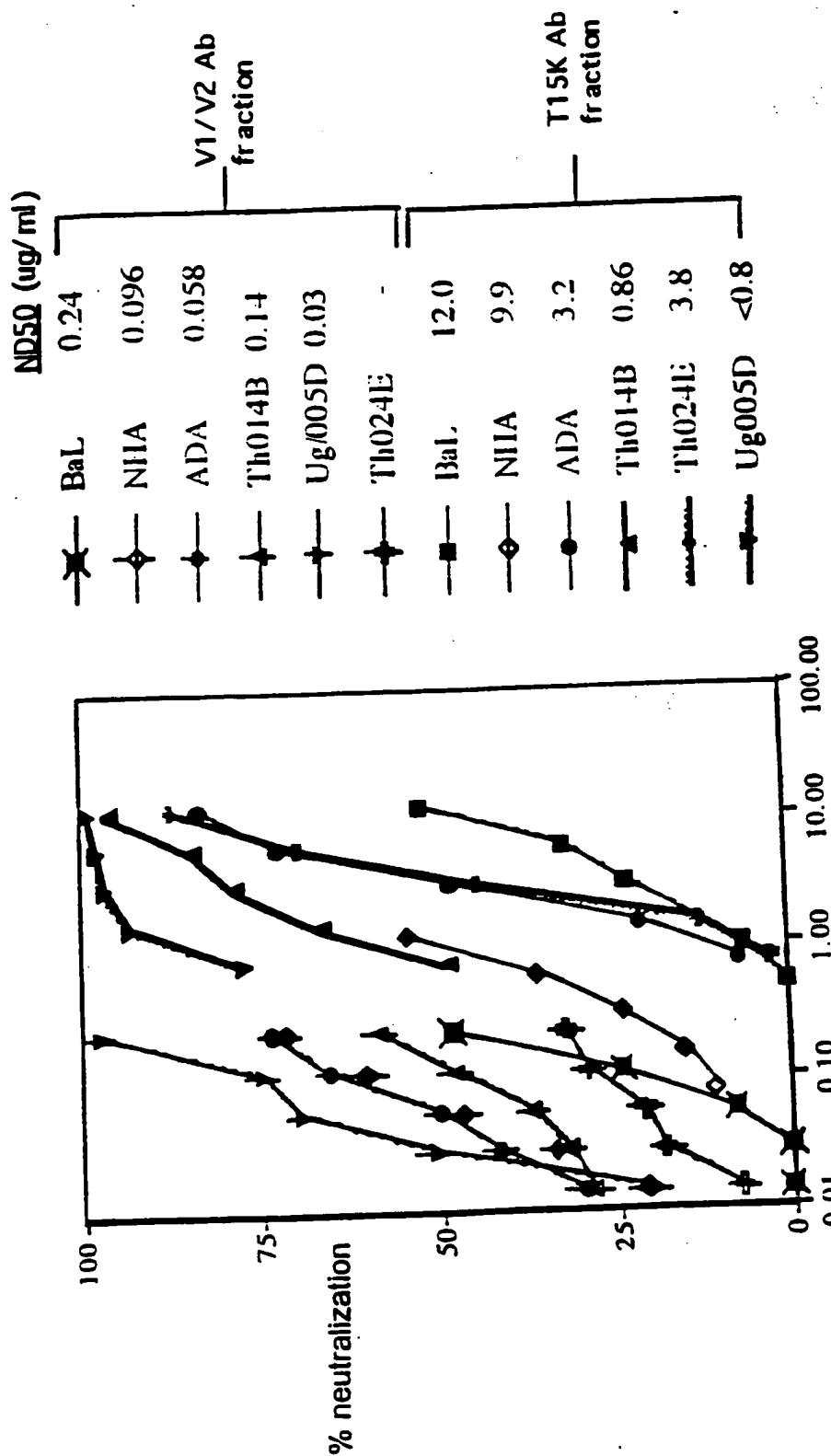


FIG. 4



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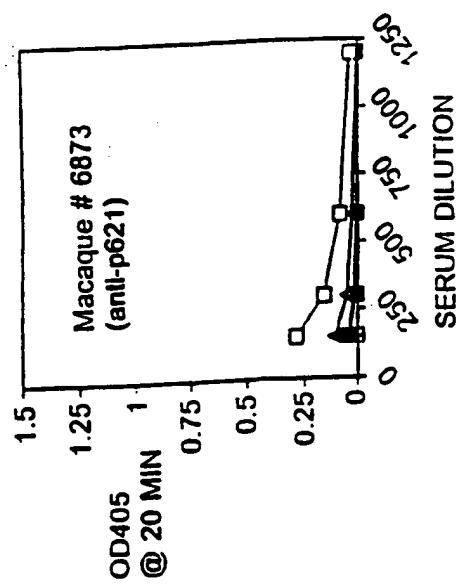


FIG. 5A

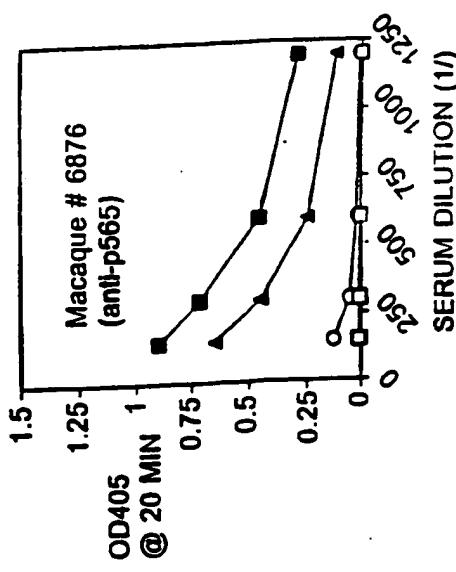


FIG. 5B

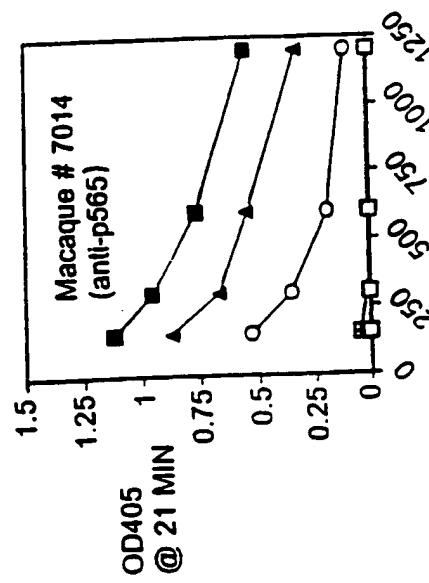


FIG. 5C

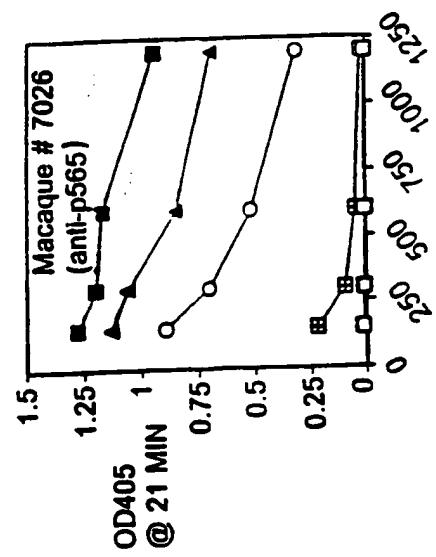


FIG. 5D

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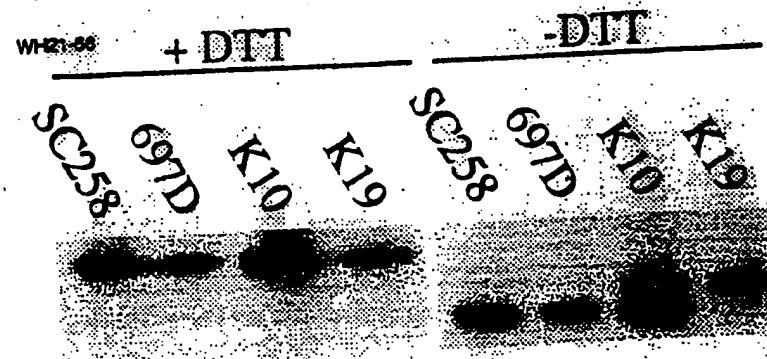
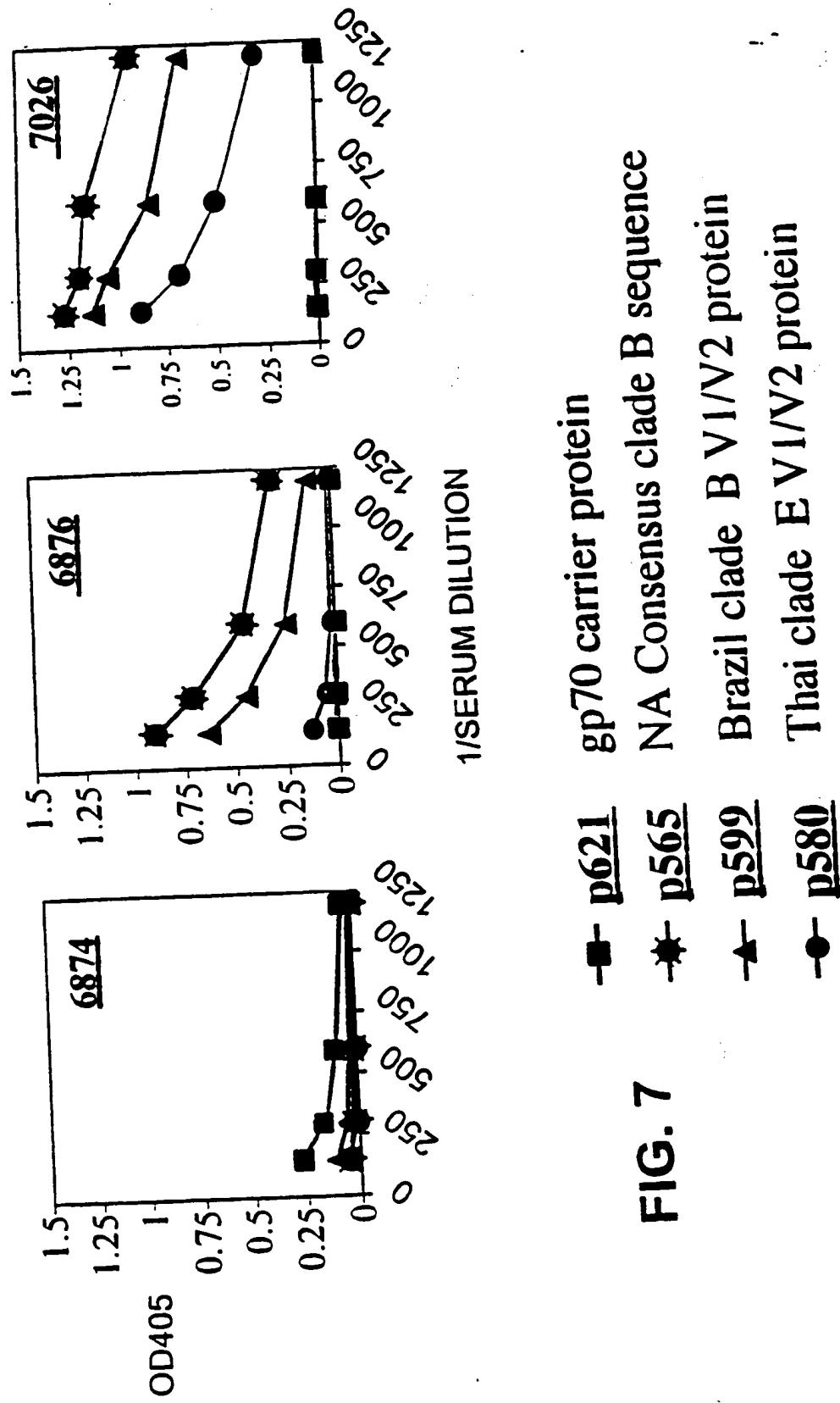


FIG. 6

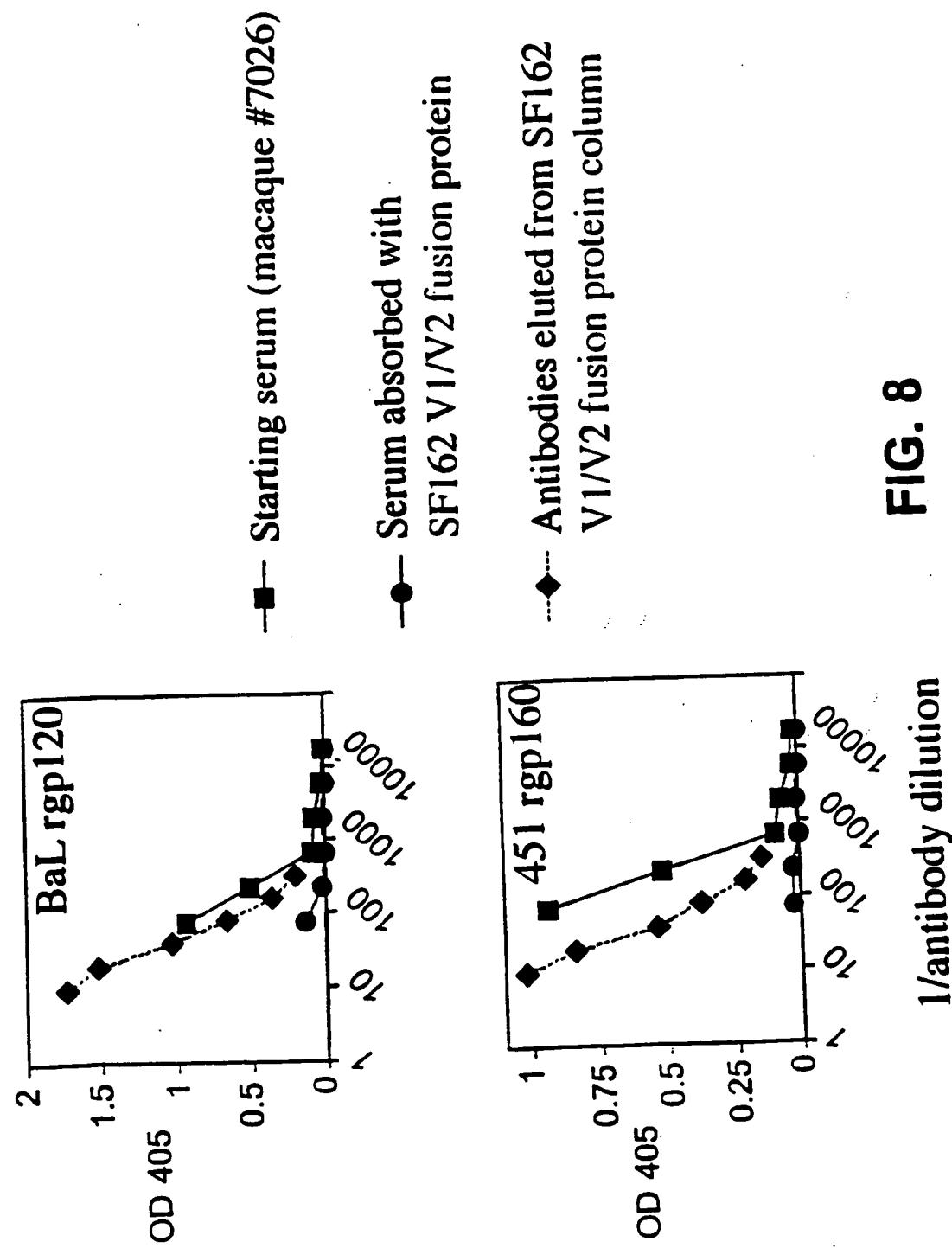


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**FIG. 8**



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Macaque #6876 serum

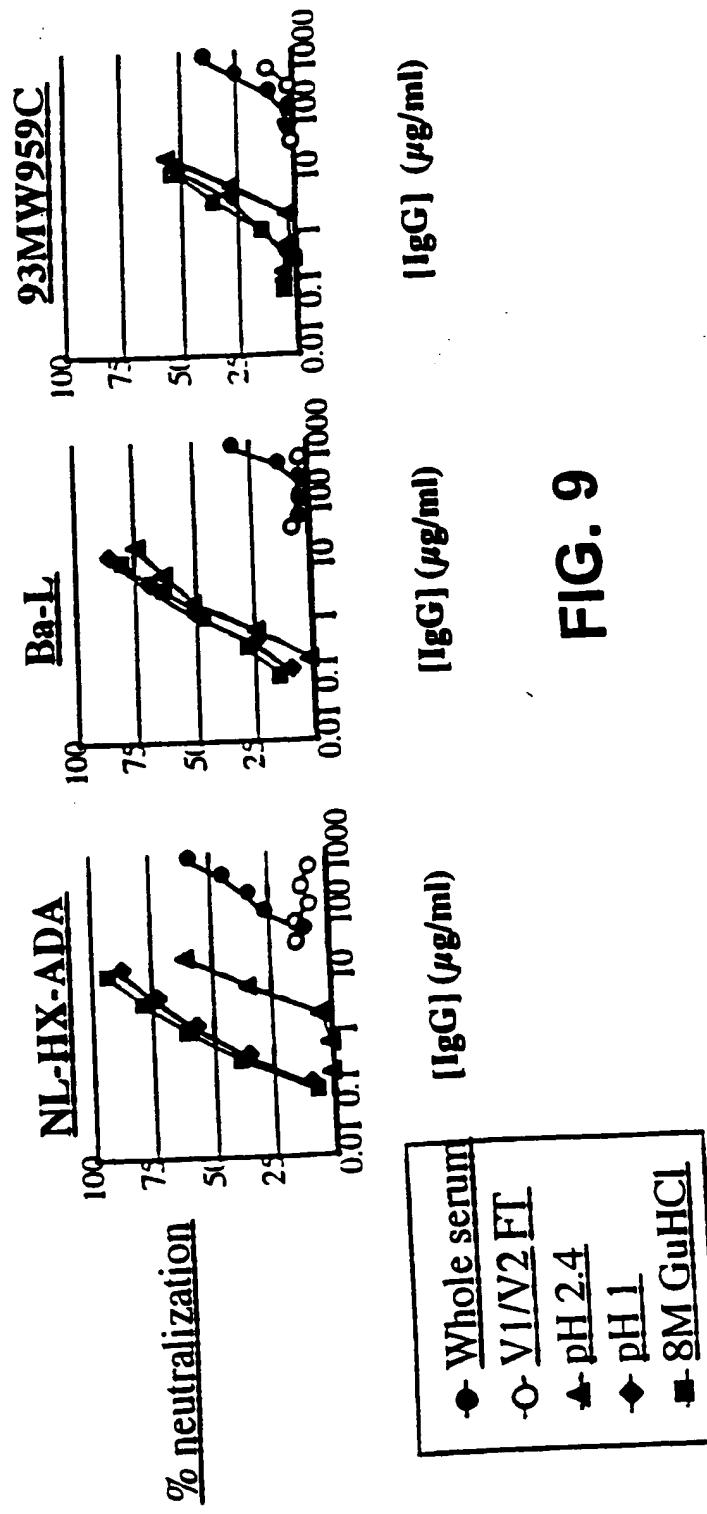


FIG. 9



Macaque #7026 serum

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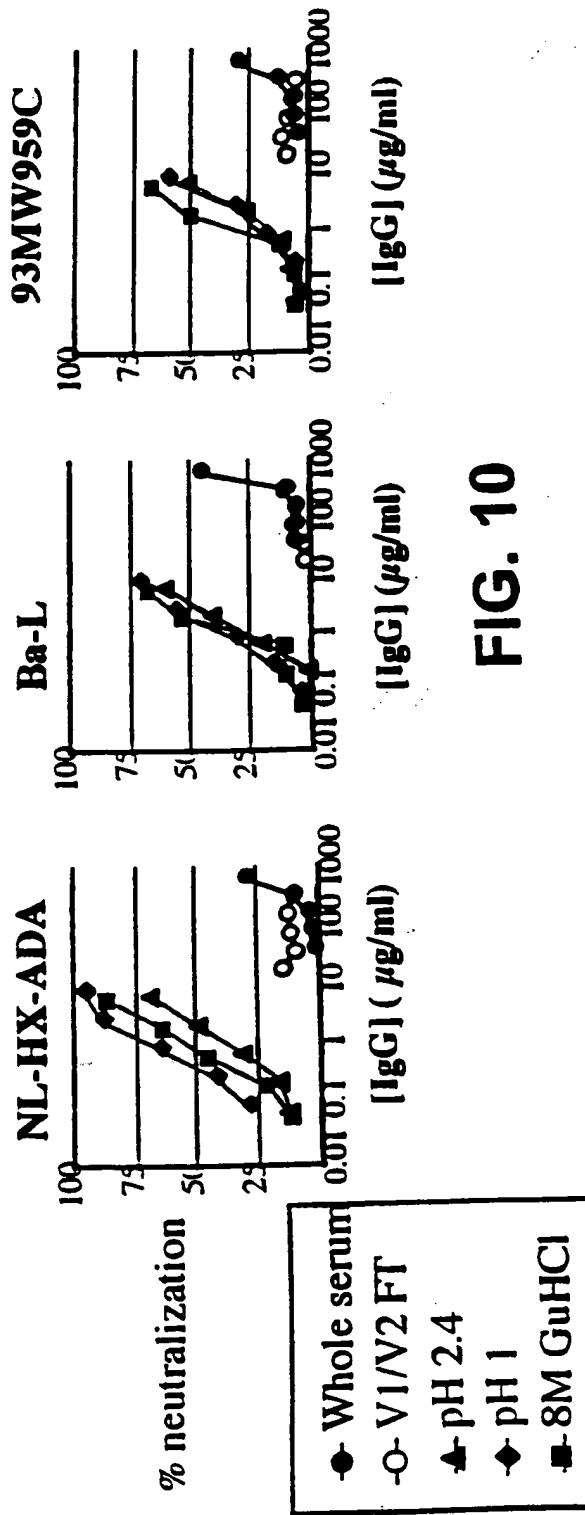


FIG. 10



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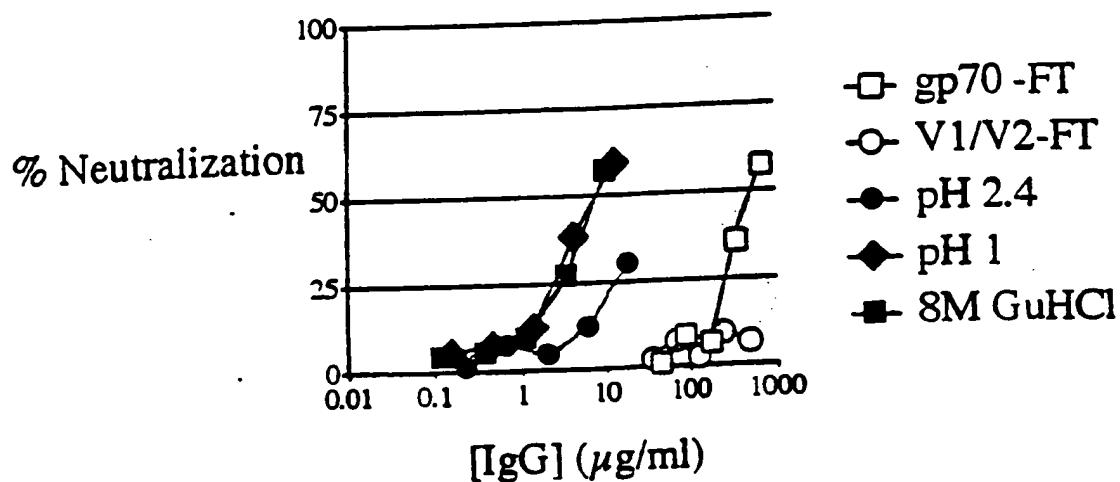


FIG. 11A

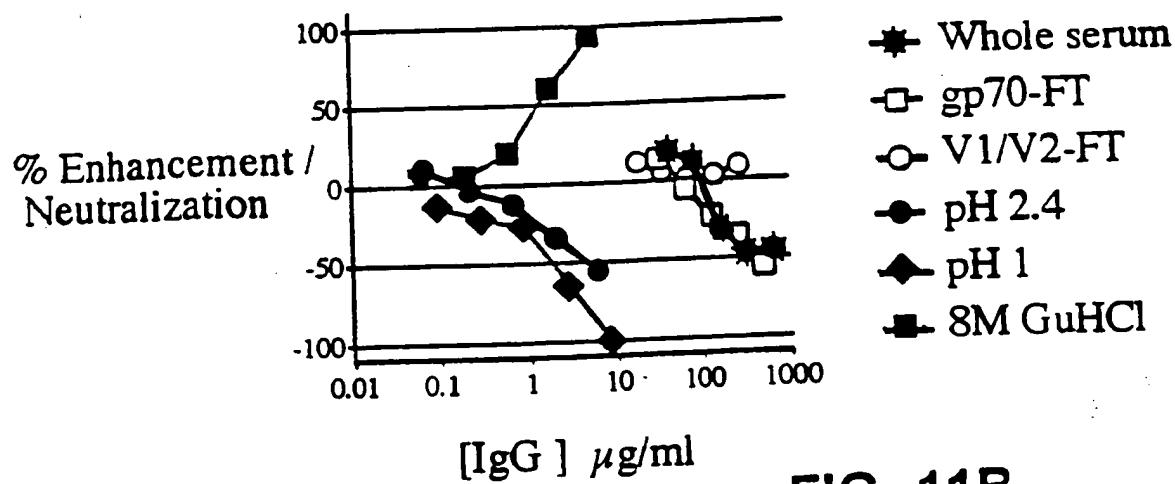
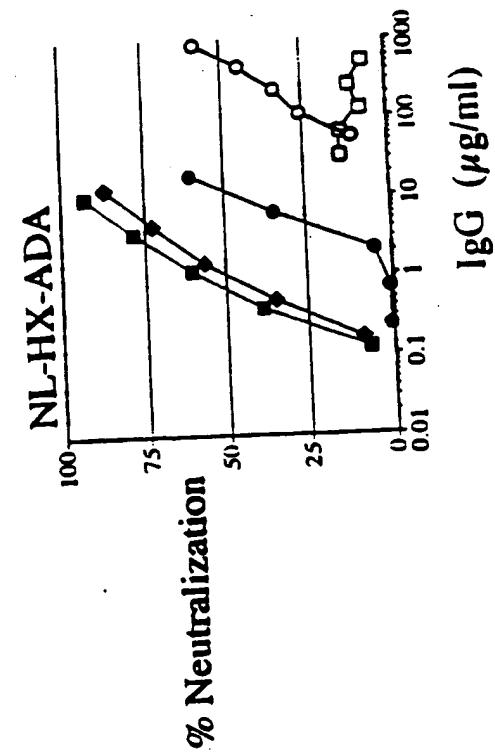


FIG. 11B

M-Tropic:



T-Tropic:

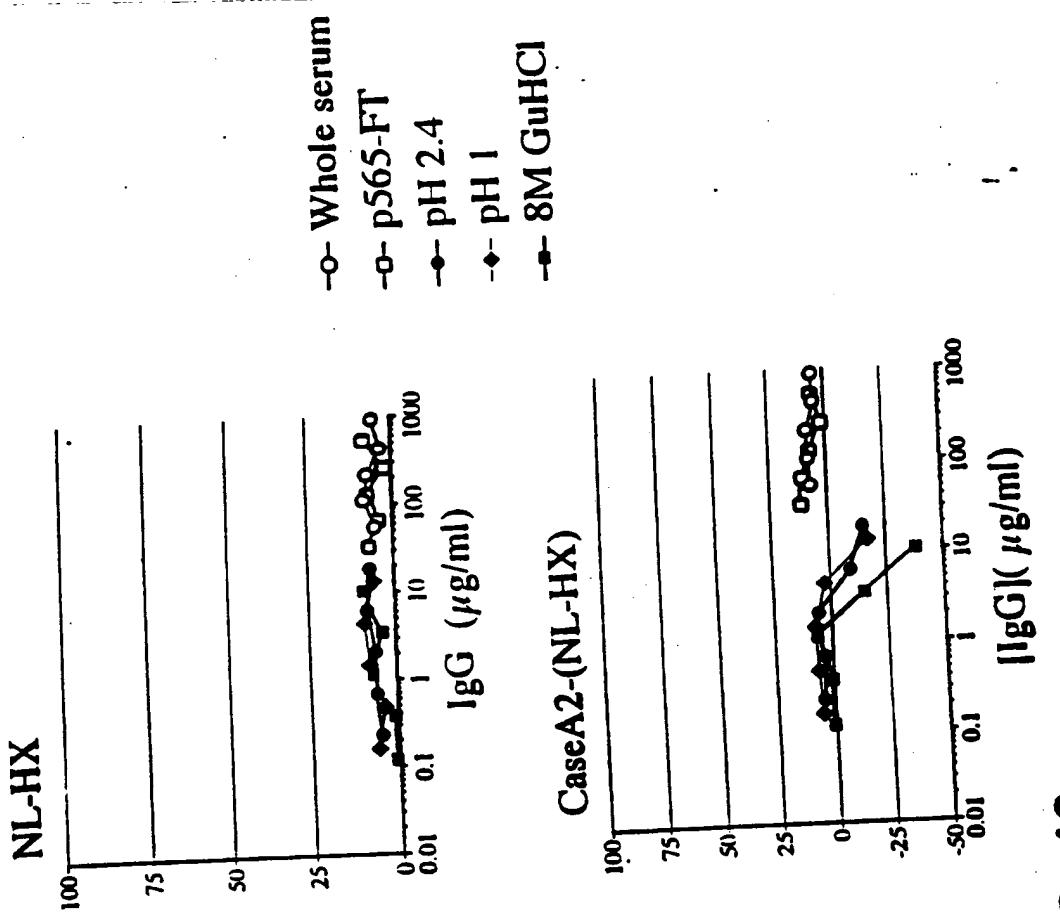


FIG. 12

O I P E
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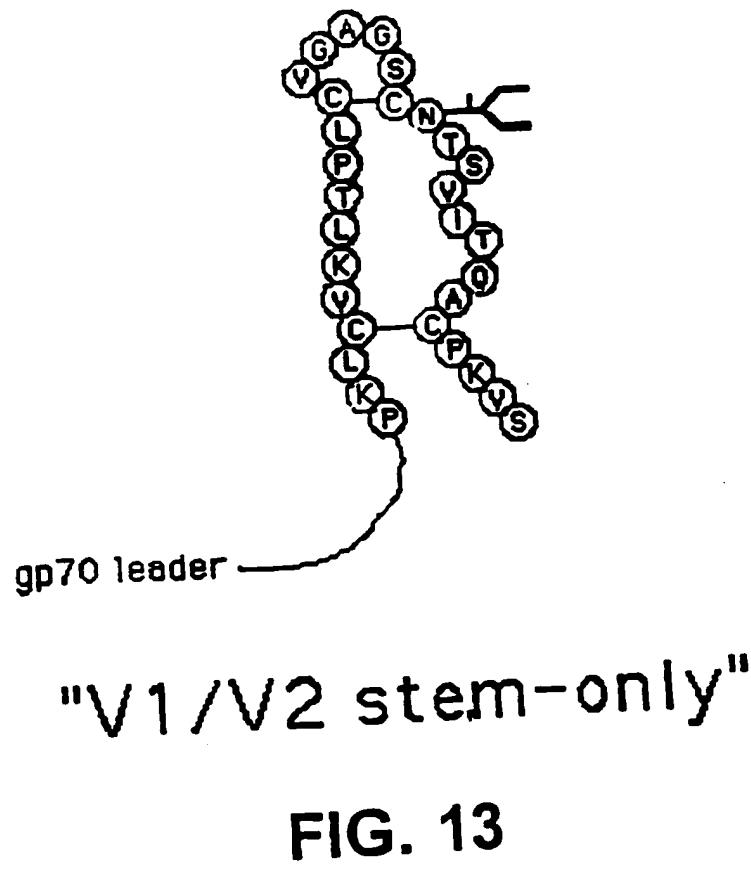


FIG. 13